



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/714,385	11/13/2003	Jung-Chang Chiang		3958

7590 03/22/2005

Hsu & Associates  
P. O. Box 72  
Nankang  
Taipei, 115  
TAIWAN

EXAMINER
----------

GARCIA, ERNESTO

ART UNIT	PAPER NUMBER
----------	--------------

3679

DATE MAILED: 03/22/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

<p><b>Office Action Summary</b></p>	<b>Application No.</b> 10/714,385	<b>Applicant(s)</b> CHIANG, JUNG-CHANG	
	<b>Examiner</b> Ernesto Garcia	<b>Art Unit</b> 3679	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 03 November 2003.
- 2a) ☐ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☒ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1-13 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 1-13 is/are allowed.
- 6) ☐ Claim(s) \_\_\_\_\_ is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

### **DETAILED ACTION**

This application is in condition for allowance except for the following formal matters.

#### ***Drawings***

The drawings are objected to under 37 CFR 1.83(a) because they fail to show "two opposite threaded holes 114" as described in line 18 of page 5, "two opposite threaded holes 214" as described in lines 27-28 of page 8, and "four threaded holes 111" provided at the partition between the recesses 215, 217 as described in lines 4-7 of page 9. Any structural detail that is essential for a proper understanding of the disclosed invention should be shown in the drawing. MPEP § 608.02(d). Applicant is reminded that features 114 and 214 are not threaded holes.

The drawings are objected to as failing to comply with 37 CFR 1.84(p)(4) because reference character "114" has been used to designate both holes on base disk (Fig. 1) and posts on base disk (Fig. 2).

The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, "the first and the second base disks have threaded holes with respect to the centers of the two base

Art Unit: 3679

disks" (claim 8) must be shown or the feature(s) canceled from the claim(s). No new matter should be entered.

Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended". If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the examiner does not accept the changes, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

### ***Specification***

The specification is objected to as failing to provide proper antecedent basis for the claimed subject matter. See 37 CFR 1.75(d)(1) and MPEP § 608.01(o). Correction

Art Unit: 3679

of the following is required: the limitations "first base disk" recited in line 6 of claim 1, "first hollow center" recited in line 6 of claim 1, "first front positioning plate", "second hollow center" recited in line 7 of claim 1, "jut out cone" recited in line 4 of claim 10, and "locating recess" recited in line 3 of claim 11 lack proper antecedent basis in the claims. Applicant should carefully review the language of the claims as more claimed subject matter is not in the specification.

The disclosure is objected to because on page 5, in line 26, "113" should be --112--. The descriptions "threaded holes 121" in lines 4 and 11 of page 6 and "threaded holes 111" in lines 5 and 10 of page 6 are not accurate as the holes 121 and the holes 111 shown in Figure 2 are not threaded to render threaded holes. Moreover, the description "threaded hole 134" in lines 13 and 19 of page 6 is not accurate as the hole is not threaded, see Figure 1. The description "threaded hole 134 corresponding to a post 119" in lines 13-14 of page 6 is not accurate as the aperture 133 actually corresponds to the post 119 and the hole 134 corresponds to the threaded hole 120, see Fig. 1. The description "threaded holes 121, 111, 131" in line 17 of page 7 is not accurate as holes 121 and 111 are not threaded. Only hole 231 is threaded.

Furthermore, the descriptions "two opposite threaded holes 114" in line 18 of page 5, and "two opposite threaded holes 214" in lines 27-28 of page 8 is not accurate as the drawing show pins or projections on 114 and 214. The disclosure is objected to because on page 9, in line 5, "213" should be --212--. The descriptions "threaded holes

Art Unit: 3679

221" in lines 17 and 24 of page 9 and "threaded holes 211" in lines 18 and 23 of page 9 are not accurate as the holes 121 and the holes 111 shown in Figure 2 are not threaded to render threaded holes. The disclosure is objected to because on page 9, in line 19, "211" should be --2211--. The description "threaded hole 234" in lines 26 and 30 of page 9 is not accurate as the hole is not threaded, see Figure 4. The description "threaded hole 234 corresponding to a post 219" in lines 36-27 of page 9 is not accurate as the aperture 233 actually corresponds to the post 219 and the hole 234 corresponds to the threaded hole 220, see Fig. 4. The description "threaded holes 221, 211, 231" in line 14 of page 10 is not accurate as holes 221 and 211 are not threaded. Only hole 231 is threaded.

The disclosure is objected to because the name of some of the components in the detail description of the embodiment do not match with those recited in the claims thereby it making difficult to match those components recited in the claims with those of the components referenced. For instance, the specification refers to 112 as a "hollow central part" and the claims, as best matched, refers to the same component, as a "first hollow center". Furthermore, the specification refers to 122 as an "elongated hollow part", and the claims, as best matched, refers to the same component, as a "second hollow center". Applicant should consider reviewing the language of the claims as numerous names do not match. Appropriate correction is required.

### ***Claim Objections***

Claims 1, 2, 7, 10, 12, and 13 are objected to because of the following informalities:

regarding claim 1, --the-- needs to be inserted after "of" in line 37;

regarding claim 2, "of" in line 7 should be deleted, "an" in line 8 should be --a--, and the limitation "an elastic body in addition the original elastic body" makes unclear how many elastic bodies there are and furthermore "the original elastic body" in line 9 lacks antecedent basis. Shouldn't the original elastic body be "the another elastic body" recited in lines 3-4?;

regarding claim 7, the "which are provided with a circular contour corresponding to each other" in lines 5-6 lacks a subject. In other words, what is provided with a circular contour;

regarding claim 10, the second occurrence of "jut" in line 4 should be deleted;

regarding claim 12, "threaded" in line 4 should be deleted; and,

regarding claim 13, "the" in line 6 should be deleted as posts have not been previously recited in claims 13 or claim 1. Appropriate correction is required.

### ***Allowable Subject Matter***

Claims 1-13 are allowed.

The following is a statement of reasons for the indication of allowable subject matter:

regarding claim 1, the prior art of record does not disclose or suggest an insertion member passing through a base disk, a front positioning plate, and a rear positioning lock plate fastened together with first bolts, and the insertion member passing via hollow centers of the base disk, the front positioning plate, and the rear positioning lock plate; and,

regarding claims 2-13, these claims depend from claim 1.

### ***Conclusion***

Prosecution on the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ernesto Garcia whose telephone number is 703-308-8606. The examiner can normally be reached from 9:30-6:00. The fax phone numbers for the organization where this application or proceeding is assigned are 703-872-9326 for regular communications and 703-872-9327 for After Final communications.



Art Unit: 3679

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Daniel P. Stodola can be reached on 703-308-2686. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-1113.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

*E.G.*

E.G.

March 8, 2005

*Daniel P Stodola*

DANIEL P. STODOLA  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 3600